

Index To Flow Articles for the Last Six Months of 1949

Titles are generally listed by type of product or industry. Where the editorial treatment requires a deviation from this practice, as in the case of the FLOW Cost Analysis Contest papers, for example, the listings are repeated under product headings as well. Example: The Cost Analysis Contest paper "Low-Cost Shingle Storage" appears also under "Building Supplies." The same scheme, designed for the convenience of readers, is also followed in regard to articles in the Packaging Mechanics section.

AIR-FREIGHT TECHNIQUES

- Material Handling In The Air Age.
Part I. October, p. 22.
Material Handling In The Air Age.
Part II. November, p. 38.

ASSEMBLY AND LIGHT FABRICATION OPERATIONS (METALS)

- Synchronized Conveyor Assembly. July,
p. 24.
Conveyor Assembly (planned for (a)
easy handling, (b) safety, (c) work
levels, (d) re-arrangement of work
stations). August, p. 13.
Improved Handling Keeps Shotgun As-
sembly Cost Down. October, p. 36.

BUILDING SUPPLIES

- Low-Cost Shingle Storage. September,
p. 50.

CEMENT

- (Handling from bagging to outbound
vehicles.)
It's In The Bag. July, p. 62.

CERAMICS (CLAY PRODUCTS)

- The Box That Helped Solve A Break-
age Problem. September, p. 73.

COPPER TUBE MILL LAYOUT

- Long Lengths In A Compact Space.
September, p. 25.

COST ANALYSIS CONTEST PAPERS

- We Sliced The Cost Of Handling In
Half. August, p. 32. (Application for

mining supplies in extremely difficult
terrain.)

- Low-Cost Shingle Storage. September,
p. 50.

Improved Handling Keeps Shotgun As-
sembly Cost Down. October, p. 36.

A Department Store Brings Flow To
Its Ready-To-Wear Operation. No-
vember, p. 42.

Pallet Program For Materials In Bags
And Drums. Part I. December, p. 32.

ELECTRIC OVERHEAD CRANES

- Electric Overhead Cranes For Standard
Service (Specifications For). Part I.
August, p. 15. (Released by the Elec-
tric Overhead Crane Institute.)
Electric Overhead Cranes For Standard
Service (Specifications For). Part II.
September, p. 42.

ELEVATOR APPLICATION (INTER-FLOOR TRAVEL)

- How To Engineer Factory Elevator Re-
quirements To Production. August,
p. 24.

FLOOR COVERING

- A Safe, Low-Cost Method For Rolls Of
Linoleum. October, p. 28.

FLOW ENGINEERING DATA PAGE

- Data for the engineer, and others re-
sponsible for material handling, on
equipment design and application as-
pects. Every month, except October.

FOOD AND BEVERAGE PRODUCTS

- Overhead Conveyors Add Packaging
Space. August, p. 46.

- Industrial Packaging For Industrial
Catering. September, p. 77.
Flow Methods For Pickles. November,
p. 68.

FOUNDRY APPLICATIONS

- Automatic Dispatch System For Core
Sand. September, p. 28.

GENERAL (ARTICLES OF TOPICAL INTEREST)

- Fourth Annual Industrial Packaging
And Material Handling Exposition.
September, p. 72.
FLOW Starts Its Fifth Year (an edi-
torial). October, p. 13.
Briefs of S.I.P.M.H.E. Papers From
Fourth Annual Industrial Packaging
& Material Handling Exposition. De-
cember, p. 40.

GLASS PLANT

- Monorail Moves Millions Of Pounds—
With Two Operators Per Shift. Au-
gust, p. 18. (Describes batching and
furnace feeding.)

- INDEX (To FLOW Magazine Articles)**
Index To FLOW Articles For The First
Six Months Of 1949. July, p. 35.

LOAD UNIT TECHNIQUES

- Big Results From Load Unit Refine-
ments. July, p. 21.
How To Unitize Paper Bags For Ship-
ment. November, p. 30. (Two dif-
ferent methods are described.)
A \$2.12 Per Ton Handling Cost Is Cut

Index To Flow Articles for the Last Six Months of 1949

Titles are generally listed by type of product or industry. Where the editorial treatment requires a deviation from this practice, as in the case of the FLOW Cost Analysis Contest papers, for example, the listings are repeated under product headings as well. Example: The Cost Analysis Contest paper "Low-Cost Shingle Storage" appears also under "Building Supplies." The same scheme, designed for the convenience of readers, is also followed in regard to articles in the Packaging Mechanics section.

AIR-FREIGHT TECHNIQUES

- Material Handling In The Air Age.
Part I. October, p. 22.
Material Handling In The Air Age.
Part II. November, p. 38.

ASSEMBLY AND LIGHT FABRICATION OPERATIONS (METALS)

- Synchronized Conveyor Assembly. July,
p. 24.
Conveyor Assembly (planned for (a)
easy handling, (b) safety, (c) work
levels, (d) re-arrangement of work
stations). August, p. 13.
Improved Handling Keeps Shotgun As-
sembly Cost Down. October, p. 36.

BUILDING SUPPLIES

- Low-Cost Shingle Storage. September,
p. 50.

CEMENT

- (Handling from bagging to outbound
vehicles.)
It's In The Bag. July, p. 62.

CERAMICS (CLAY PRODUCTS)

- The Box That Helped Solve A Break-
age Problem. September, p. 73.

COPPER TUBE MILL LAYOUT

- Long Lengths In A Compact Space.
September, p. 25.

COST ANALYSIS CONTEST PAPERS

- We Sliced The Cost Of Handling In
Half. August, p. 32. (Application for

mining supplies in extremely difficult
terrain.)

- Low-Cost Shingle Storage. September,
p. 50.

Improved Handling Keeps Shotgun As-
sembly Cost Down. October, p. 36.

A Department Store Brings Flow To
Its Ready-To-Wear Operation. No-
vember, p. 42.

Pallet Program For Materials In Bags
And Drums. Part I. December, p. 32.

ELECTRIC OVERHEAD CRANES

- Electric Overhead Cranes For Standard
Service (Specifications For). Part I.
August, p. 15. (Released by the Elec-
tric Overhead Crane Institute.)
Electric Overhead Cranes For Standard
Service (Specifications For). Part II.
September, p. 42.

ELEVATOR APPLICATION (INTER-FLOOR TRAVEL)

- How To Engineer Factory Elevator Re-
quirements To Production. August,
p. 24.

FLOOR COVERING

- A Safe, Low-Cost Method For Rolls Of
Linoleum. October, p. 28.

FLOW ENGINEERING DATA PAGE

- Data for the engineer, and others re-
sponsible for material handling, on
equipment design and application as-
pects. Every month, except October.

FOOD AND BEVERAGE PRODUCTS

- Overhead Conveyors Add Packaging
Space. August, p. 46.

- Industrial Packaging For Industrial
Catering. September, p. 77.
Flow Methods For Pickles. November,
p. 68.

FOUNDRY APPLICATIONS

- Automatic Dispatch System For Core
Sand. September, p. 28.

GENERAL (ARTICLES OF TOPICAL INTEREST)

- Fourth Annual Industrial Packaging
And Material Handling Exposition.
September, p. 72.
FLOW Starts Its Fifth Year (an edi-
torial). October, p. 13.
Briefs of S.I.P.M.H.E. Papers From
Fourth Annual Industrial Packaging
& Material Handling Exposition. De-
cember, p. 40.

GLASS PLANT

- Monorail Moves Millions Of Pounds—
With Two Operators Per Shift. Au-
gust, p. 18. (Describes batching and
furnace feeding.)

- INDEX (To FLOW Magazine Articles)**
Index To FLOW Articles For The First
Six Months Of 1949. July, p. 35.

LOAD UNIT TECHNIQUES

- Big Results From Load Unit Refine-
ments. July, p. 21.
How To Unitize Paper Bags For Ship-
ment. November, p. 30. (Two dif-
ferent methods are described.)
A \$2.12 Per Ton Handling Cost Is Cut

**SAVE
MONEY**

SAVE

Floor Space
Ceiling Space
Storage Space
Storage Time
Receiving Time
Production Time
Maintenance Time
Shipping Time

**CUT
COSTS**

WITH

The "MASTER" Line

SPACEMASTER Electric Trucks
SPACEMASTER Gas Trucks (Fork Types)
MASTER JACKSTACKERS
JACKLIFT ELECTRIC Trucks
MASTER JACKTRACTORS
MASTER JACKLIFT Trucks
MASTER QUICKLIFT Trucks
MASTER REDILIFT Trucks
MASTER SPEEDLIFT Trucks
POWERMASTER Stackers
FLOORMASTER Trucks
SHIPMASTER (All-Steel 2-Wheel) Trucks
WELDMASTER Platforms
LOADMASTER Racks

WRITE
FOR
BULLETIN
NO. 25



The "MASTER" Line,
MATERIALS HANDLING EQUIPMENT

"Engineered to Save You Money"



Smart fleet of "SPACEMASTER" Electric Fork Trucks handle many kinds of materials in this public utility warehouse.

"SPACEMASTER" Electrics operate quicker, in less space. "SPACEMASTER" Electrics have low cost maintenance, less down time. "Standrive" feature lets operator pivot and turn and thus safely trail load. No need to turn truck and load around as his vision is unobstructed. Better visibility also permits accurate placement of forks and spotting of loads . . . "Deadman" brake; greater stability; plus free, quick access from either side give greater SAFETY . . . Send For Bulletin 25 Today!

Multiply Your Manpower with The "MASTER" Line

Tap this new source of profit!

LEWIS-SHEPARD
PRODUCTS INC.

115 WALNUT STREET, WATERTOWN 72, MASS.

Midwest Plant: Crawfordsville, Ind.

REPRESENTATIVES IN PRINCIPAL CITIES

To \$1.26. November, p. 32.

MAINTENANCE OF EQUIPMENT
Maintenance—The Parts. July, p. 37.
(The concluding installment of a three-part article. The preceding two covered organizational and how-to-do-it aspects of the subject.)

METAL FABRICATION
5-Room Homes By Conveyor Flow. November, p. 27.

MISCELLANEOUS TECHNIQUES
Ideas You Can Use (Tested techniques for better production). A periodic department which presents a variety of handling methods gathered from numerous sources. October, p. 38, November, p. 58, and December, p. 30.

ORDER ASSEMBLY, WAREHOUSING AND SHIPPING
Wholesale Grocery Layout For Minimum Travel. July, p. 22.
A \$2.12 Per Ton Handling Cost Is Cut To \$1.26. November, p. 32.

PACKAGING MECHANICS SECTION
A Neat, Safe Package For A Heavy Assembly. July, p. 60.

It's In The Bag. July, p. 62.
Good Conveyor Layout In Tobacco Packaging. July, p. 65.
Overhead Conveyors Add Packaging Space. August, p. 46.
Continuous Packing, Warehousing On Two Floor Levels. August, p. 49.
The Box That Helped Solve A Breakage Problem. September, p. 73.
Industrial Packaging For Industrial Catering. September, p. 77.
Practical Cushioning And The "Perfect Package". October, p. 56.
Welded Twin Package. October, p. 61.
Wrap Up A House—In One Package. November, p. 62.
Flow Methods For Pickles. November, p. 68.
Tested For Perfection. December, p. 44.

PAINT PLANT OPERATION
Pallet Program For Materials In Bags And Drums. Part I. December, p. 32.

PULP MILL APPLICATION
Air Circuits For Turnover Stacker (for pulp mill conveyor system). October, p. 16.

PUNCH PRESS OPERATIONS
Gravity Conveyors In A Multi-Press Layout. September, p. 54.

RAILROAD SHOP PRACTICES (FOR RECONDITIONING WHEELS)
How The Erie Keeps The Wheels Rolling. Part I. September, p. 32. (The latest shop of its kind.)

How The Erie Keeps The Wheels Rolling. Part II. October, p. 24.

READY-TO-WEAR APPAREL

A Department Store Brings Flow To Its Ready-To-Wear Operation. November, p. 42.

RECEIVING (OF OPERATING SUPPLIES)

Centralized Receiving For Supplies. December, p. 11.

REFRIGERATED WAREHOUSE OPERATION

Refrigerated Warehouse Handling. September, p. 23.

STEEL MILL APPLICATION

Now—Turn Blooms Without Tongs. July, p. 31.

STEEL WAREHOUSING

The Last Word In Receiving, Inspection, Storage Of Raw Steel. December, p. 12.

STONE HANDLING (SAND STONE FABRICATION AND SORTING)

Stone Handling Brought Up To Date. July, p. 42.

TOBACCO

Good Conveyor Layout In Tobacco Packaging. July, p. 65.

WAX PRODUCTS

S. C. Johnson & Sons Company's Welded Twin Package. October, p. 61.

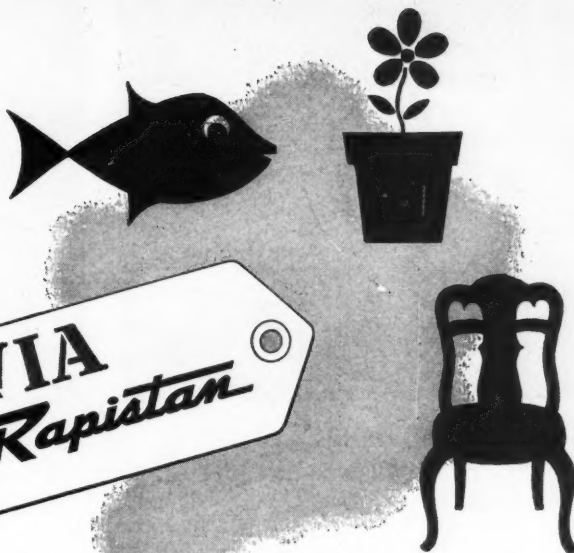
YARD HANDLING (FOR BULK MATERIALS AND METAL COMPONENTS)

A Yard Crane Feeds The Entire Plant. July, p. 27.

A Craneway For Yard Receiving, Storage, Disbursement. October, p. 14.

100-TON CASTINGS OR OYSTERS

—Oysters that have been snugly packed in barrels by a new vibrating machine are arriving on the market in better condition than ever before, according to the J. & J. W. Elsworth Company, 110-year-old Greenport, Long Island, oyster firm. The barrel shaker, similar to machines that can bounce 100-ton foundry castings and shake frozen coal from railroad coal cars, settles the oysters in the barrel more gently and much faster than it can be done by hand. The agitating machine also eliminates the back-breaking practice of rocking and rolling the 250-pound barrels by hand to settle the oysters, a method which inevitably damaged some of the shells. As the oysters in the shell move along the production line at the Elsworth plant from the rinsing stand, they are packed in barrels of three-bushel capacity and placed on one end of the shaker platform where the vibration not only settles them firmly in the barrel but (because of its elliptical motion) actually moves the barrel along the seven foot platform and discharges it at the other end. The shaker does its job in less than 30 seconds.—
Courtesy, Hewitt-Robins Inc.



Fish, Flowers, Furniture

And food, forgings and fertilizer! Every working hour, these and hundreds of other products are handled efficiently and economically on cost-reducing, space-saving Rapistan Material Flow Equipment.

Among people who know handling equipment, Rapistan ranks first. The reason? . . . *supreme dependability*. Rapistan conveyors are designed to give trouble-free service long after most others have been replaced. Whether you need a single conveyor, or a complete "flow" system for product movement through processing, packaging, storage and distribution—buy Rapistan! It's profitable.

SEND FOR YOUR FREE COPY OF "Rapistan Material Flow at Work!" See how carloading was cut from 80 to 8 man hours . . . a processor saved \$200 weekly . . . how unloading costs were cut from \$17.10 to \$1.90 per car . . . and how Rapistan can work for you.

"Rapistan" and "Material Flow"—Trade Marks

The RAPIDS-STANDARD COMPANY, Inc.
165 Rapistan Building Grand Rapids, Mich.



Representatives in Principal Cities

Rapistan
MATERIAL flow EQUIPMENT



CONVEYORS: POWER OR GRAVITY, PORTABLE OR STATIONARY • CASTERS • FLOOR TRUCKS • HAND TRUCKS